

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P316773

Luminaire Tested: **GAN-SA9C-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9C-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 59401 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

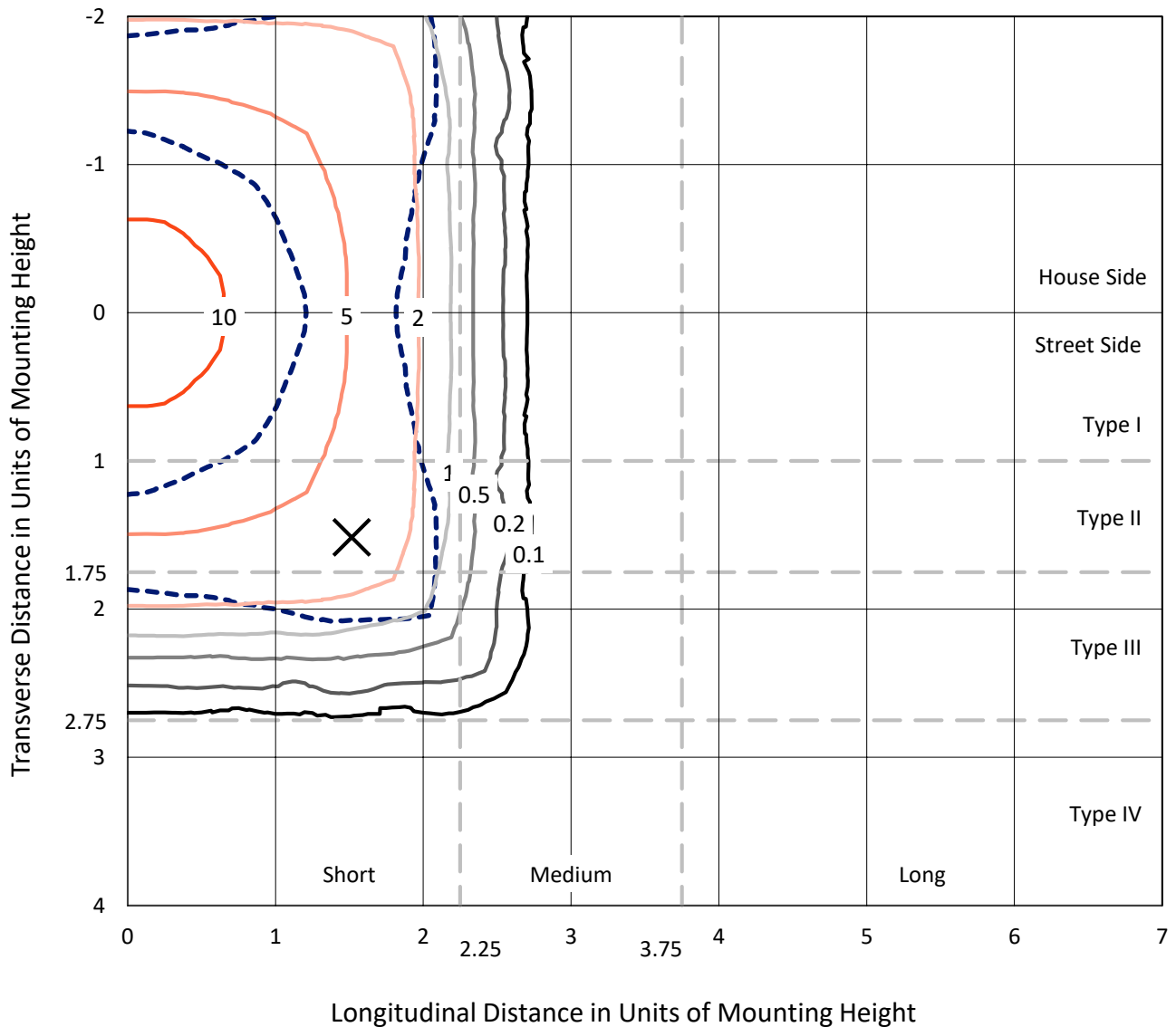
Input Watts (W): 501
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

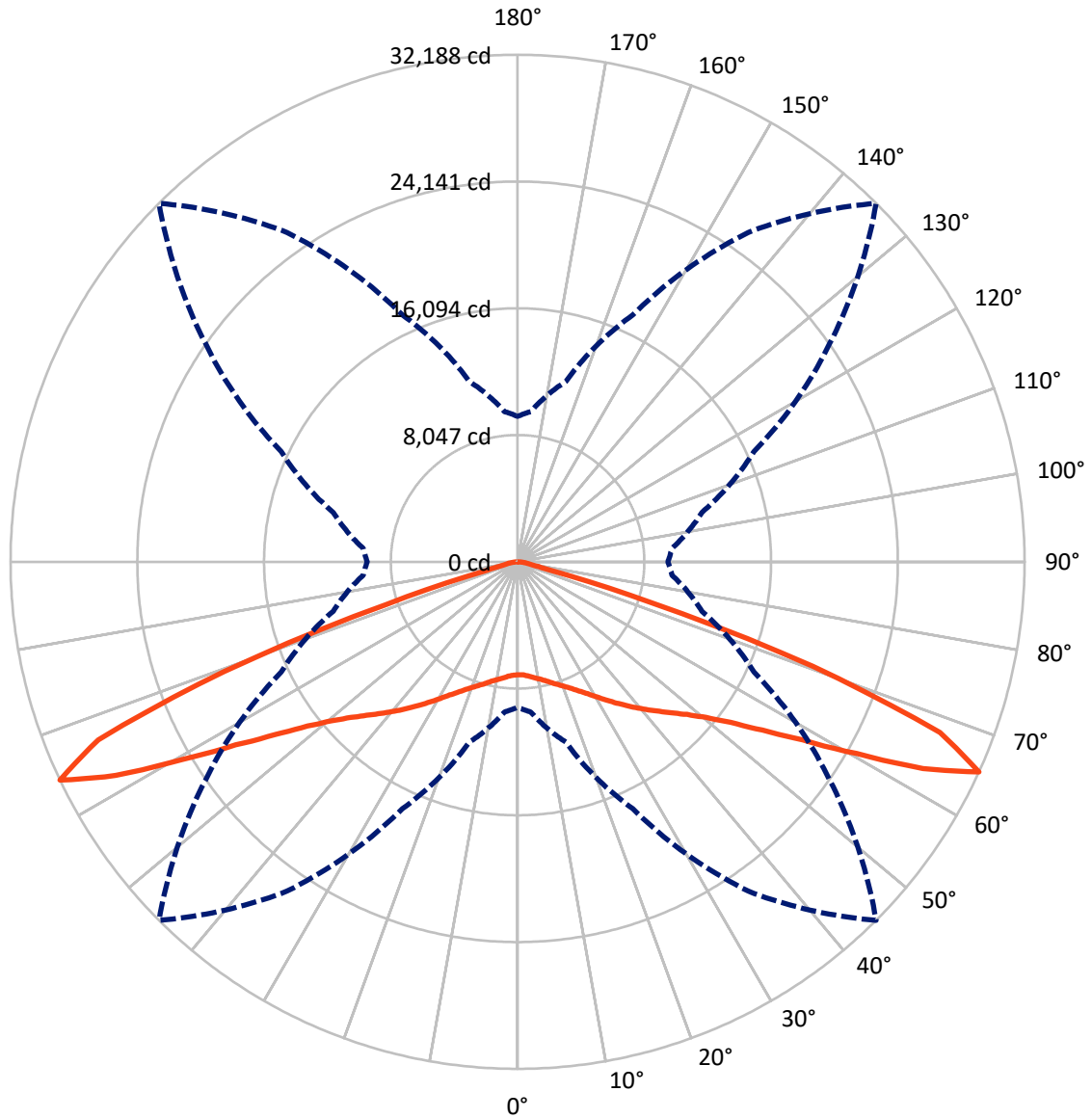
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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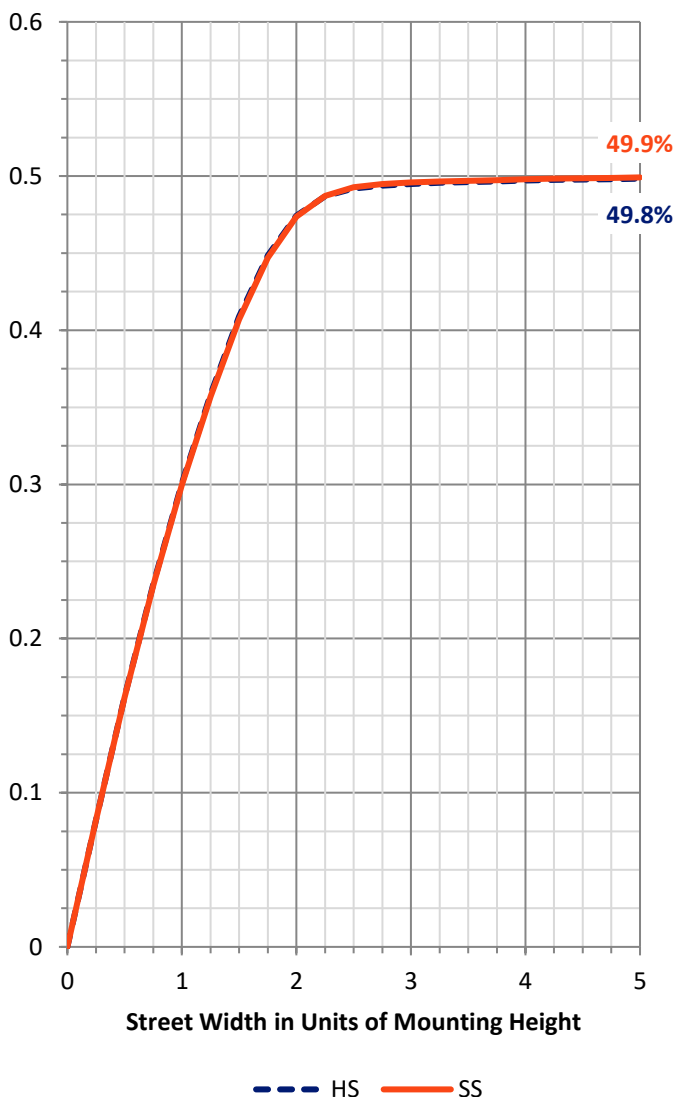
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	29700.5	0.0	29700.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	29700.5	0.0	29700.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	59401.0	0.0	59401.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	703.8	1.2
10°-20°	2262.2	3.8
20°-30°	4244.4	7.1
30°-40°	7019.3	11.8
40°-50°	10872.0	18.3
50°-60°	16674.6	28.1
60°-70°	15559.3	26.2
70°-80°	1810.9	3.0
80°-90°	254.5	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	59401.0	100.0
0°-180°	59401.0	100.0

Coefficient of Utilization

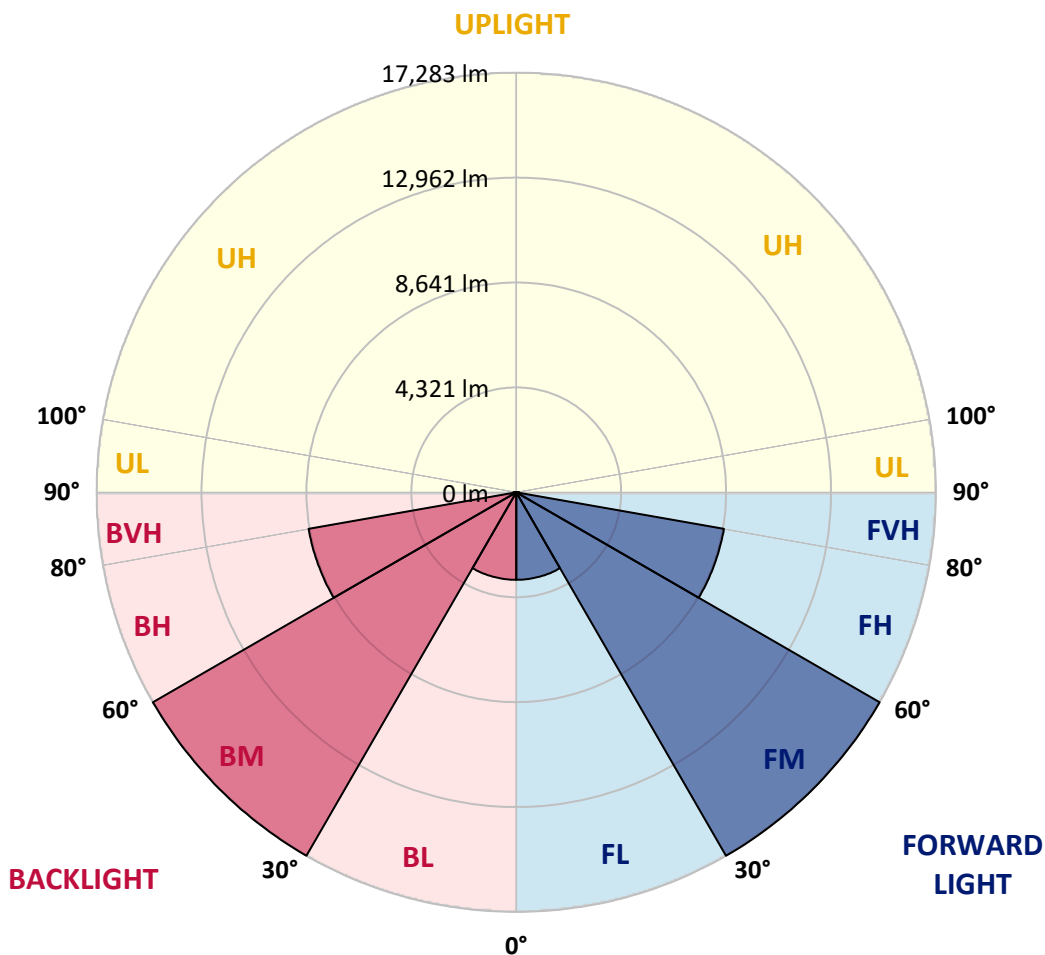


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3605.2	6.1			
FM (30°-60°)	17283.0	29.1			
FH (60°-80°)	8685.1	14.6			G4/12000
FVH (80°-90°)	127.2	0.2			G2/225
BL (0°-30°)	3605.2	6.1	B4/5000		
BM (30°-60°)	17283.0	29.1	B5		
BH (60°-80°)	8685.1	14.6	B5		G4/12000
BVH (80°-90°)	127.2	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7173.4	7173.4	7173.4	7173.4	7173.4	7173.4	7173.4	7173.4	7173.4	7173.4	7173.4
2.5°	7197.1	7193.1	7197.1	7199.1	7187.2	7193.1	7191.2	7201.0	7205.0	7201.0	7201.0
5°	7279.9	7274.0	7281.9	7291.7	7276.0	7279.9	7274.0	7285.8	7289.8	7281.9	7287.8
7.5°	7394.3	7396.2	7404.1	7421.9	7412.0	7419.9	7408.1	7410.0	7408.1	7396.2	7398.2
10°	7518.5	7520.5	7534.3	7557.9	7561.9	7561.9	7554.0	7548.1	7540.2	7532.3	7534.3
12.5°	7668.3	7678.2	7688.1	7717.6	7717.6	7733.4	7729.5	7713.7	7699.9	7688.1	7688.1
15°	7871.4	7869.5	7881.3	7910.9	7924.7	7950.3	7950.3	7928.6	7910.9	7899.0	7895.1
17.5°	8084.4	8090.3	8098.2	8133.7	8155.4	8185.0	8188.9	8171.2	8159.3	8143.6	8133.7
20°	8332.8	8342.7	8374.3	8388.1	8407.8	8435.4	8445.2	8441.3	8429.5	8421.6	8423.5
22.5°	8622.7	8648.3	8668.1	8687.8	8711.4	8731.1	8741.0	8754.8	8743.0	8737.1	8733.1
25°	8973.7	8991.4	9030.9	9066.4	9082.1	9088.0	9099.9	9119.6	9117.6	9103.8	9103.8
27.5°	9372.0	9405.5	9454.8	9506.1	9506.1	9486.3	9525.8	9559.3	9547.5	9529.7	9506.1
30°	9855.1	9886.6	9943.8	10014.8	9979.3	9965.5	10018.7	10079.9	10062.1	10032.5	10028.6
32.5°	10375.6	10405.2	10480.1	10557.0	10511.7	10492.0	10549.2	10637.9	10606.3	10547.2	10511.7
35°	10939.6	10969.1	11075.6	11168.3	11091.4	11057.9	11105.2	11201.8	11146.6	11036.2	11008.6
37.5°	11552.8	11568.6	11706.6	11801.2	11748.0	11659.3	11718.4	11789.4	11742.1	11608.0	11554.8
40°	12189.7	12246.9	12406.6	12517.0	12424.3	12284.3	12382.9	12481.5	12410.5	12239.0	12148.3
42.5°	12933.1	12976.4	13189.4	13288.0	13138.1	12940.9	13075.0	13209.1	13138.1	12972.5	12893.6
45°	13706.0	13773.1	14027.4	14126.0	13909.1	13658.7	13822.3	14057.0	14051.1	13812.5	13729.7
47.5°	14548.0	14615.0	14918.7	15048.8	14814.2	14479.0	14709.7	15040.9	15017.3	14755.0	14688.0
50°	15520.1	15591.1	15969.6	16133.3	15914.4	15524.0	15871.1	16162.9	16119.5	15796.1	15802.0
52.5°	16740.6	16736.7	17207.9	17491.9	17267.1	16922.0	17241.5	17525.4	17346.0	16898.4	16884.6
55°	17809.3	17874.4	18458.1	18996.4	18982.6	18850.4	18978.6	18990.4	18477.8	17882.3	17809.3
57.5°	18511.3	18635.5	19457.8	20431.8	21161.4	21336.9	21088.4	20335.2	19134.4	18182.0	18065.7
60°	18079.5	18268.8	19560.3	21545.9	23695.2	24726.4	23324.5	20987.9	18623.7	17296.7	17138.9
62.5°	15165.1	15484.6	17375.5	21007.6	25876.0	28890.9	24945.3	19940.9	16592.7	14764.9	14494.7
65°	9235.9	9573.1	11852.5	17290.7	25523.0	32187.7	24205.9	16551.3	12110.8	9837.3	9545.5
67.5°	3078.0	3176.6	4519.4	9557.3	20059.2	28920.4	20092.7	9908.3	5270.6	3494.0	3391.5
70°	1204.8	1214.6	1433.5	2770.4	9472.5	19864.0	10452.5	2819.7	1498.6	1185.1	1210.7
72.5°	885.3	889.3	950.4	1157.4	2468.7	8750.9	2557.4	1163.4	924.8	830.1	830.1
75°	711.8	711.8	755.2	843.9	1106.2	2007.3	1122.0	834.1	723.7	662.5	654.6
77.5°	562.0	573.8	607.3	664.5	749.3	966.2	776.9	660.6	583.7	526.5	514.6
80°	418.0	429.9	485.1	512.7	538.3	670.4	573.8	516.6	461.4	394.4	382.5
82.5°	274.1	285.9	354.9	370.7	364.8	437.7	386.5	380.6	339.2	254.4	242.5
85°	179.4	183.4	236.6	246.5	226.8	199.2	246.5	260.3	236.6	165.6	159.7
87.5°	84.8	84.8	120.3	112.4	102.5	82.8	112.4	132.1	134.1	80.8	78.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)